

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062725\  
 Data File : BF142905.D  
 Acq On : 27 Jun 2025 21:07  
 Operator : RC/JU  
 Sample : Q2418-01  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VAC-TRUCK-4074

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061925.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142905.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 5.081       | 485           | 491         | 498          | rBV      | 90392          | 143988        | 8.94%           | 0.856%        |
| 2         | 5.492       | 555           | 561         | 575          | rBV      | 851211         | 1116405       | 69.35%          | 6.634%        |
| 3         | 5.922       | 630           | 634         | 641          | rVB      | 111957         | 147294        | 9.15%           | 0.875%        |
| 4         | 6.504       | 725           | 733         | 742          | rBV      | 620987         | 838202        | 52.07%          | 4.981%        |
| 5         | 6.751       | 760           | 775         | 781          | rVB4     | 79624          | 262846        | 16.33%          | 1.562%        |
| 6         | 6.875       | 791           | 796         | 800          | rBV2     | 356136         | 496096        | 30.82%          | 2.948%        |
| 7         | 7.081       | 826           | 831         | 838          | rVB      | 65796          | 97271         | 6.04%           | 0.578%        |
| 8         | 7.439       | 885           | 892         | 901          | rBV      | 752844         | 1097438       | 68.17%          | 6.522%        |
| 9         | 7.592       | 902           | 918         | 922          | rBV3     | 184245         | 640536        | 39.79%          | 3.806%        |
| 10        | 7.657       | 924           | 929         | 930          | rBV3     | 80532          | 122819        | 7.63%           | 0.730%        |
| 11        | 7.845       | 956           | 961         | 965          | rBV2     | 156221         | 242153        | 15.04%          | 1.439%        |
| 12        | 7.945       | 965           | 978         | 982          | rBV5     | 238632         | 851926        | 52.92%          | 5.063%        |
| 13        | 8.039       | 982           | 994         | 1001         | rVB6     | 332401         | 1141301       | 70.90%          | 6.782%        |
| 14        | 8.098       | 1001          | 1004        | 1008         | rVB3     | 91598          | 114594        | 7.12%           | 0.681%        |
| 15        | 8.163       | 1010          | 1015        | 1020         | rBV      | 429293         | 678831        | 42.17%          | 4.034%        |
| 16        | 8.263       | 1020          | 1032        | 1036         | rBV3     | 263355         | 968548        | 60.16%          | 5.756%        |
| 17        | 8.375       | 1046          | 1051        | 1055         | rBV3     | 292764         | 548244        | 34.06%          | 3.258%        |
| 18        | 8.457       | 1056          | 1065        | 1067         | rBV5     | 155519         | 492804        | 30.61%          | 2.929%        |
| 19        | 8.716       | 1103          | 1109        | 1117         | rVB6     | 507979         | 1394556       | 86.63%          | 8.287%        |
| 20        | 8.775       | 1117          | 1119        | 1123         | rVB3     | 219581         | 260880        | 16.21%          | 1.550%        |
| 21        | 8.828       | 1124          | 1128        | 1129         | rBV2     | 214796         | 306063        | 19.01%          | 1.819%        |
| 22        | 9.239       | 1195          | 1198        | 1203         | rBV      | 1115126        | 1550988       | 96.35%          | 9.217%        |
| 23        | 9.322       | 1208          | 1212        | 1216         | rBV3     | 988716         | 1609820       | 100.00%         | 9.566%        |
| 24        | 14.827      | 2145          | 2148        | 2171         | rVB      | 564696         | 1417338       | 88.04%          | 8.423%        |
| 25        | 15.562      | 2270          | 2273        | 2291         | rVB      | 141381         | 286923        | 17.82%          | 1.705%        |

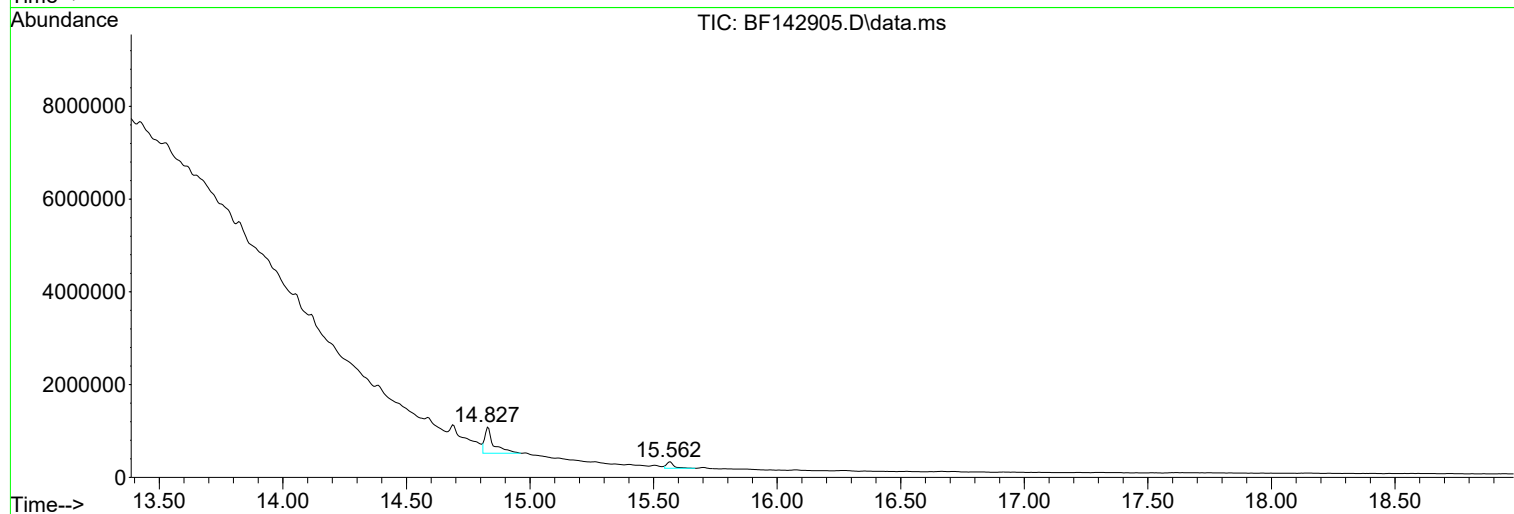
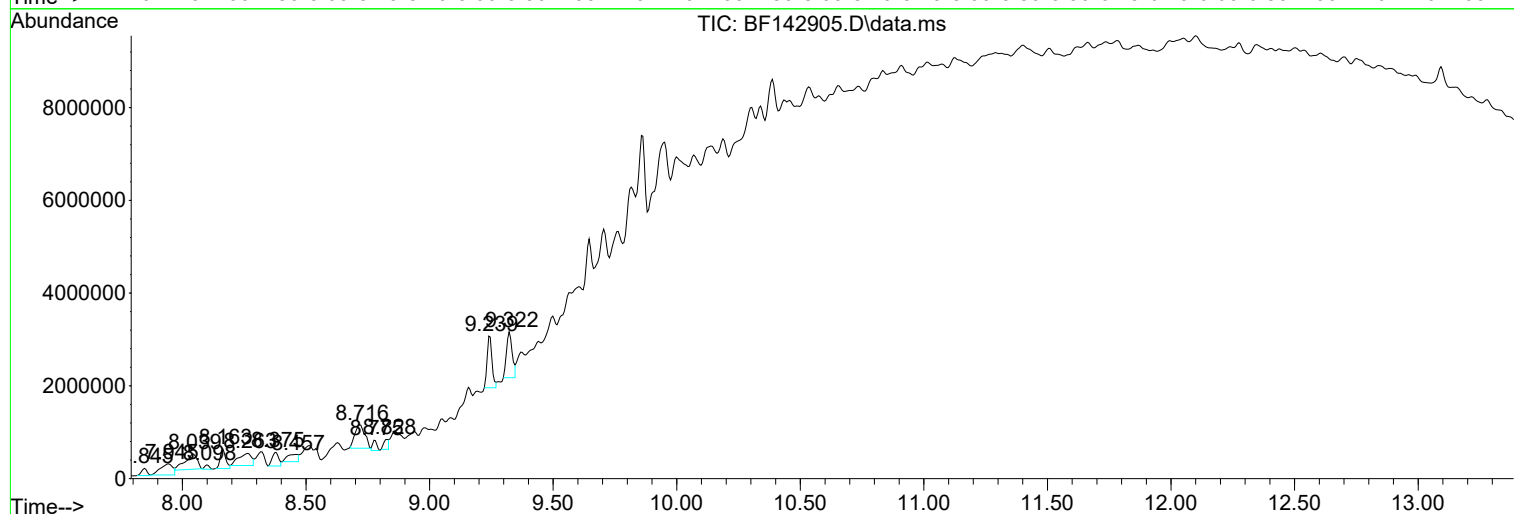
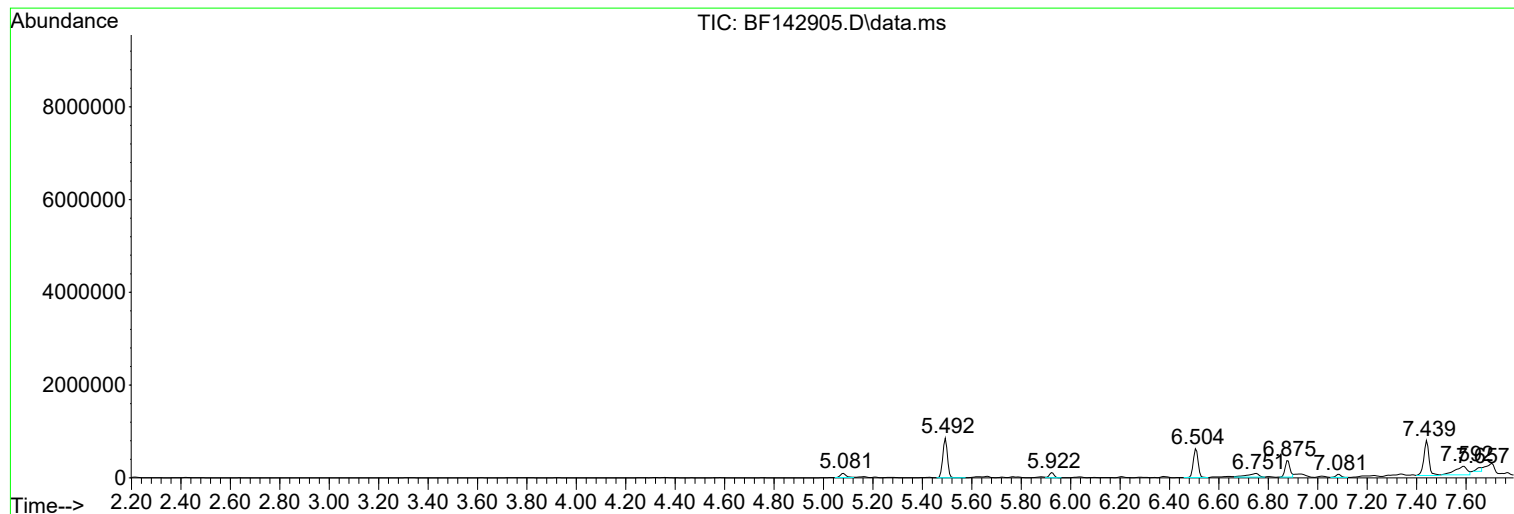
Sum of corrected areas: 16827864

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062725\  
Data File : BF142905.D  
Acq On : 27 Jun 2025 21:07  
Operator : RC/JU  
Sample : Q2418-01  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VAC-TRUCK-4074

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062725\  
Data File : BF142905.D  
Acq On : 27 Jun 2025 21:07  
Operator : RC/JU  
Sample : Q2418-01  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VAC-TRUCK-4074

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

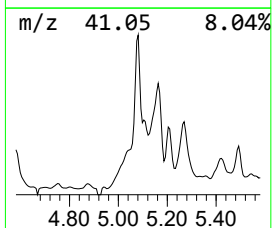
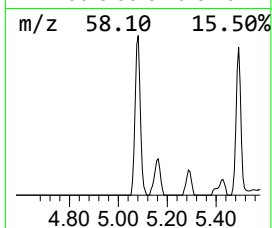
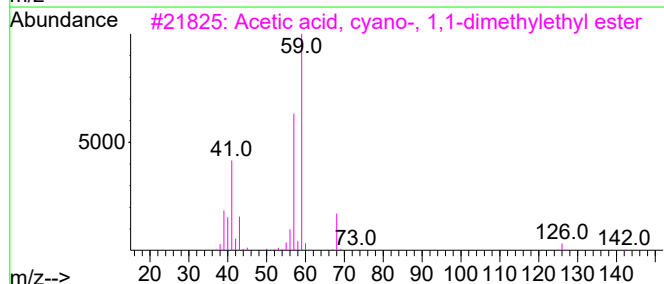
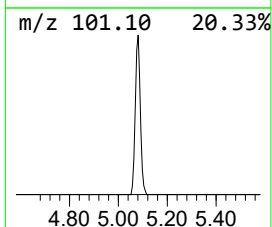
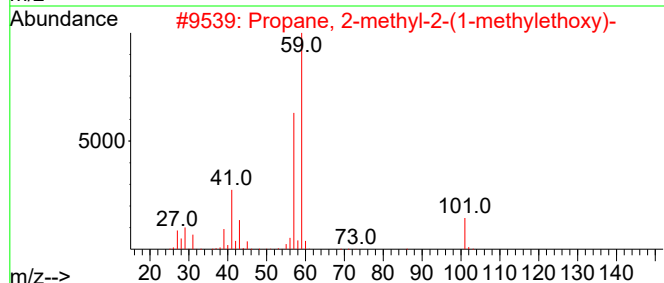
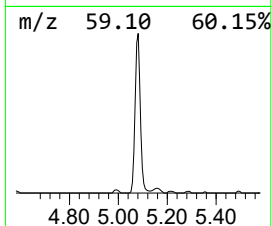
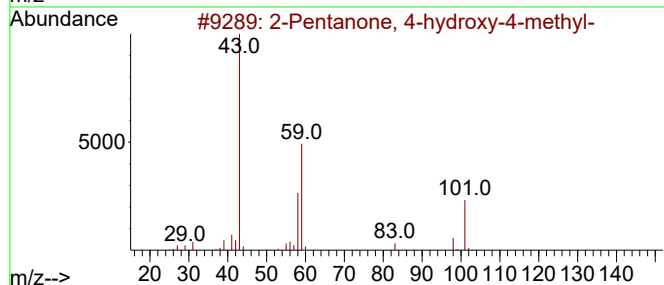
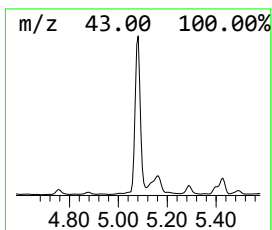
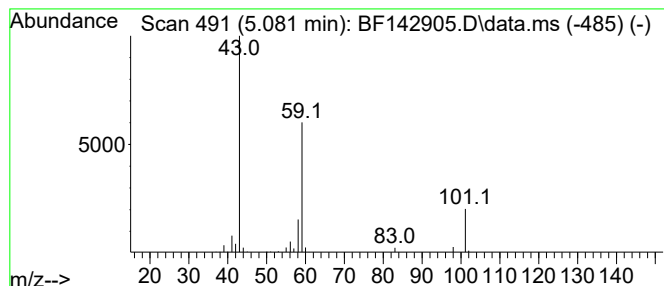
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 15

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 5.081 | 5.80 ng | 143988 | 1,4-Dichlorobenzene-d4 | 6.875 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 64   |
| 2    |    |   | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O   | 017348-59-3 | 28   |
| 3    |    |   | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 23   |
| 4    |    |   | Guanidine                           | 59  | CH5N3    | 000113-00-8 | 9    |
| 5    |    |   | Morpholine, 4-methyl-               | 101 | C5H11NO  | 000109-02-4 | 9    |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062725\  
Data File : BF142905.D  
Acq On : 27 Jun 2025 21:07  
Operator : RC/JU  
Sample : Q2418-01  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VAC-TRUCK-4074

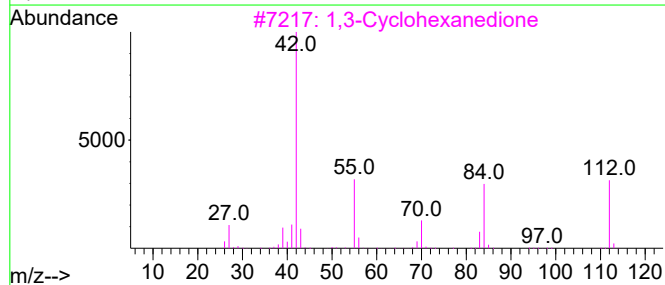
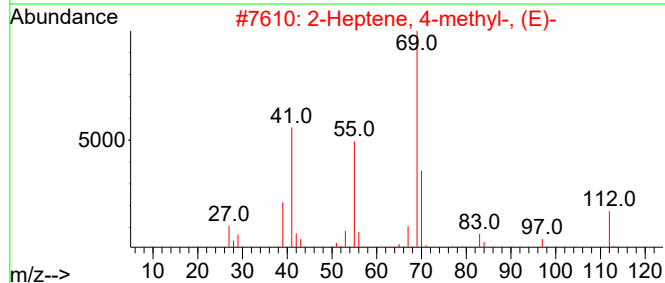
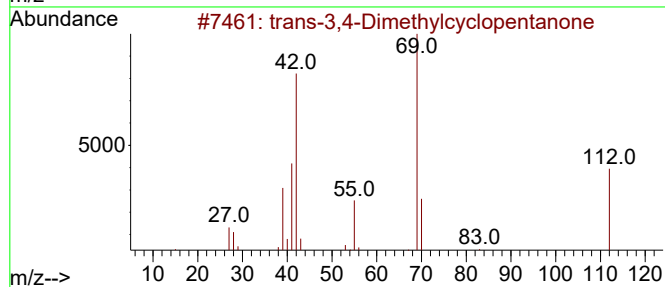
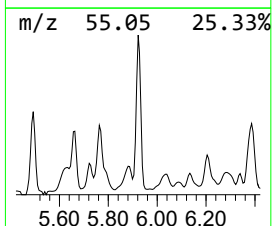
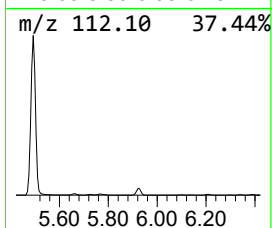
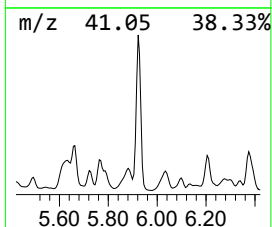
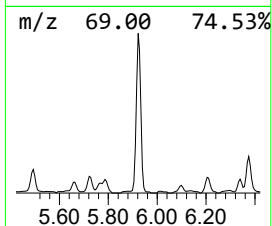
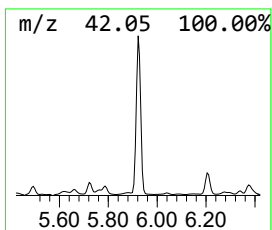
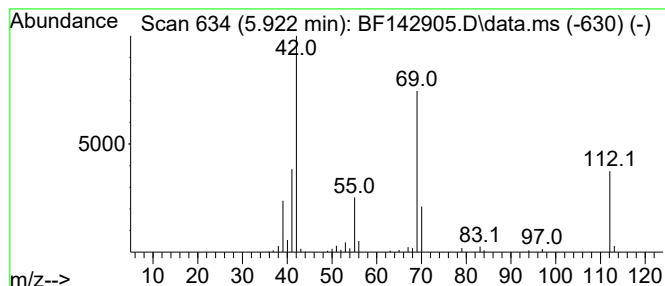
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 trans-3,4-Dimethylcyclopent... Concentration Rank 14

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 5.922 | 5.94 ng | 147294 | 1,4-Dichlorobenzene-d4 | 6.875 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------|-----|---------|-------------|------|
| 1    |    |   | trans-3,4-Dimethylcyclopentanone | 112 | C7H12O  | 019550-73-3 | 59   |
| 2    |    |   | 2-Heptene, 4-methyl-, (E)-       | 112 | C8H16   | 066225-17-0 | 40   |
| 3    |    |   | 1,3-Cyclohexanedione             | 112 | C6H8O2  | 000504-02-9 | 38   |
| 4    |    |   | 3,4-Dimethylcyclopentanone       | 112 | C7H12O  | 058372-16-0 | 37   |
| 5    |    |   | Cyclopentane                     | 70  | C5H10   | 000287-92-3 | 35   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062725\  
Data File : BF142905.D  
Acq On : 27 Jun 2025 21:07  
Operator : RC/JU  
Sample : Q2418-01  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VAC-TRUCK-4074

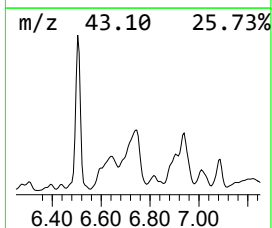
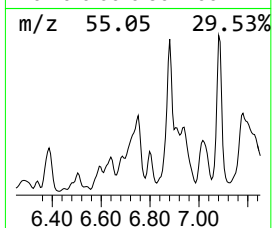
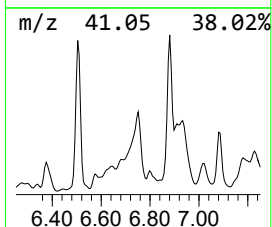
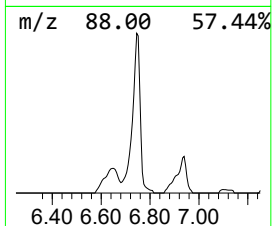
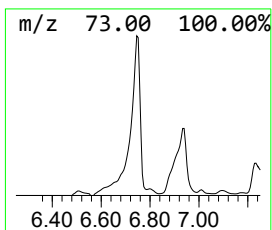
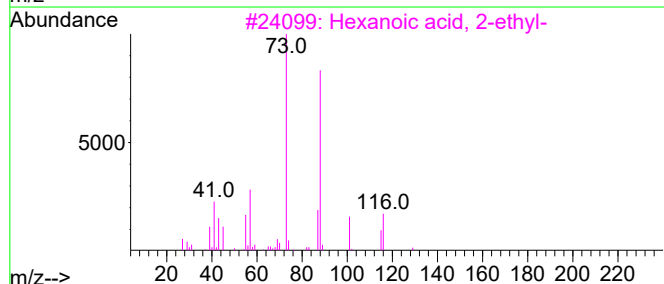
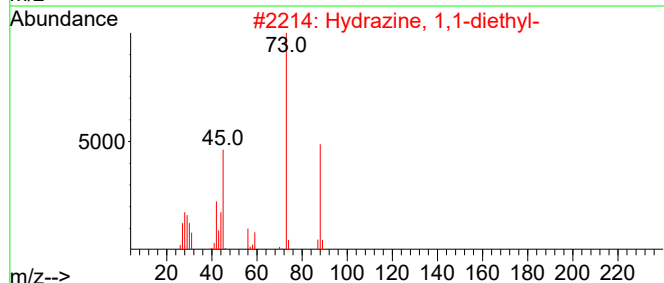
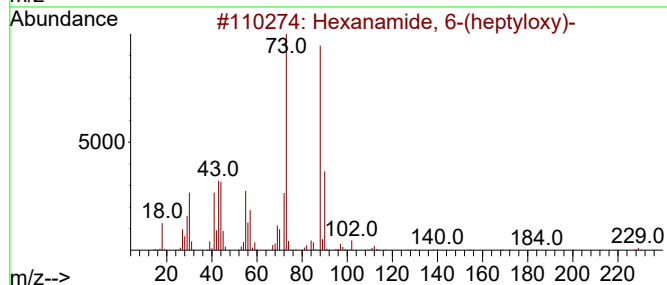
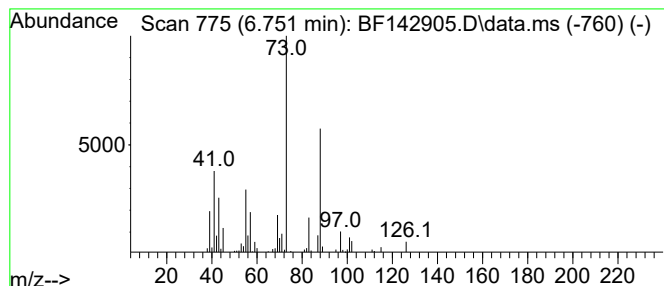
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 unknown6.751 Concentration Rank 10

| R.T.  | EstConc  | Area   | Relative to ISTD       | R.T.  |
|-------|----------|--------|------------------------|-------|
| 6.751 | 10.60 ng | 262846 | 1,4-Dichlorobenzene-d4 | 6.875 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm   | CAS#        | Qual |
|------|----|---|--------------------------------|-----|-----------|-------------|------|
| 1    |    |   | Hexanamide, 6-(heptyloxy)-     | 229 | C13H27NO2 | 055191-08-7 | 43   |
| 2    |    |   | Hydrazine, 1,1-diethyl-        | 88  | C4H12N2   | 000616-40-0 | 43   |
| 3    |    |   | Hexanoic acid, 2-ethyl-        | 144 | C8H16O2   | 000149-57-5 | 37   |
| 4    |    |   | 3-Dodecanol, 3,7,11-trimethyl- | 228 | C15H32O   | 007278-65-1 | 32   |
| 5    |    |   | 2-Ethyl-4-methylpentanoic acid | 144 | C8H16O2   | 000108-81-6 | 25   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062725\  
Data File : BF142905.D  
Acq On : 27 Jun 2025 21:07  
Operator : RC/JU  
Sample : Q2418-01  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VAC-TRUCK-4074

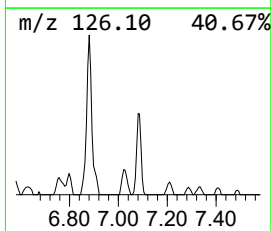
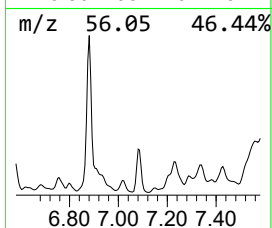
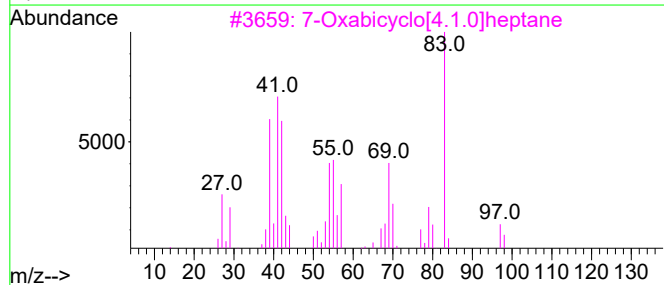
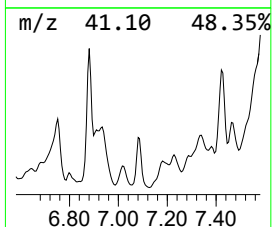
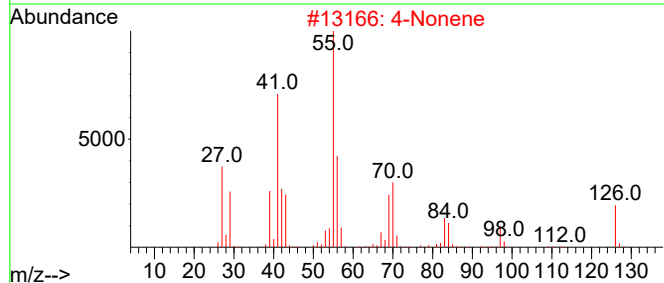
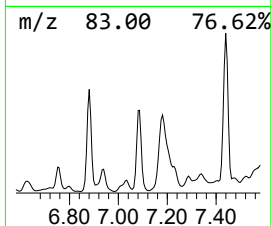
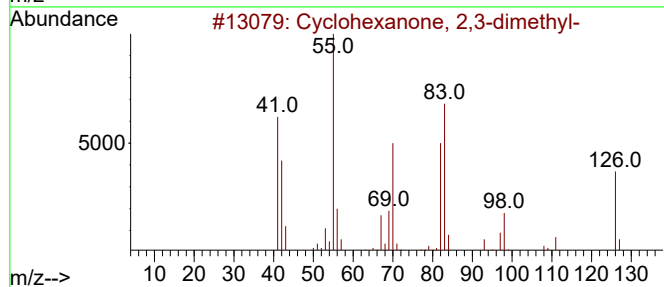
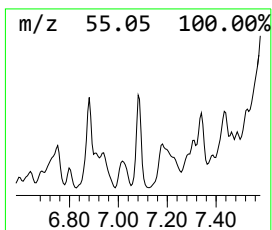
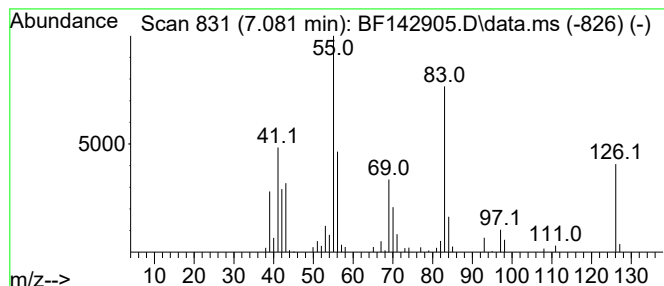
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Cyclohexanone, 2,3-dimethyl- Concentration Rank 16

| R.T.  | EstConc | Area  | Relative to ISTD       | R.T.  |
|-------|---------|-------|------------------------|-------|
| 7.081 | 3.92 ng | 97271 | 1,4-Dichlorobenzene-d4 | 6.875 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexanone, 2,3-dimethyl- | 126 | C8H14O  | 013395-76-1 | 53   |
| 2    |    |   | 4-Nonene                     | 126 | C9H18   | 002198-23-4 | 47   |
| 3    |    |   | 7-Oxabicyclo[4.1.0]heptane   | 98  | C6H10O  | 000286-20-4 | 47   |
| 4    |    |   | trans--4-Nonene              | 126 | C9H18   | 010405-85-3 | 43   |
| 5    |    |   | Cyclohexane, methyl-         | 98  | C7H14   | 000108-87-2 | 40   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062725\  
Data File : BF142905.D  
Acq On : 27 Jun 2025 21:07  
Operator : RC/JU  
Sample : Q2418-01  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VAC-TRUCK-4074

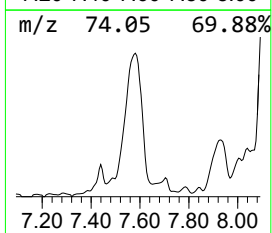
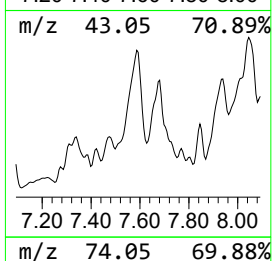
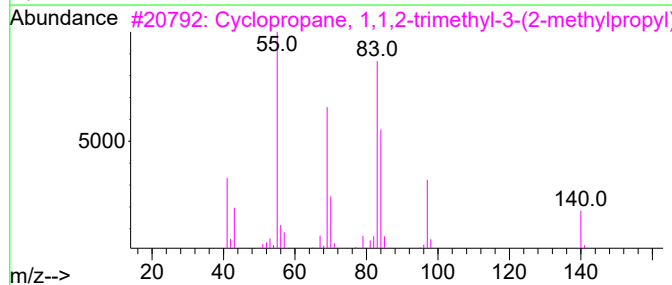
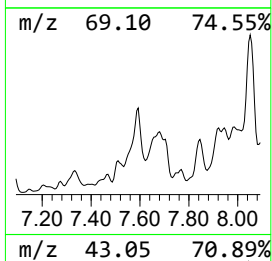
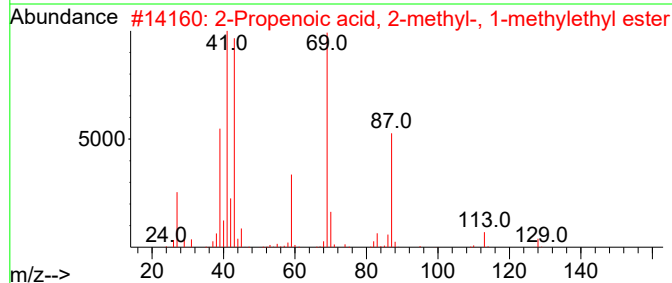
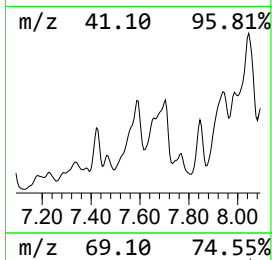
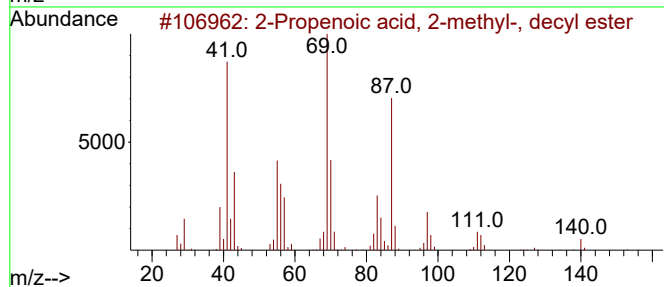
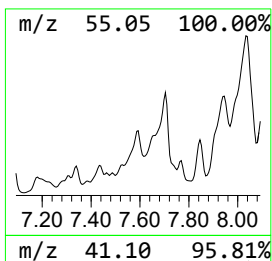
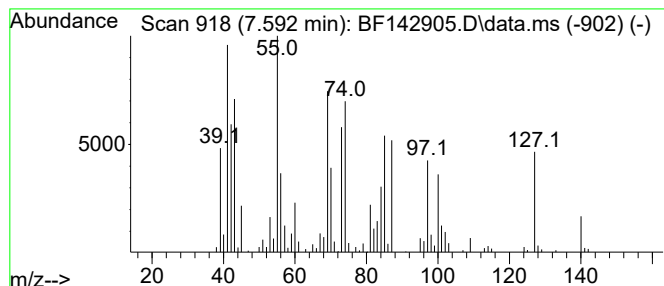
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 unknown7.592 Concentration Rank 7

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 7.592 | 18.87 ng | 640536 | Naphthalene-d8   | 8.163 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Propenoic acid, 2-methyl-, dec... | 226 | C14H26O2 | 003179-47-3 | 27   |
| 2    |    |   | 2-Propenoic acid, 2-methyl-, 1-m... | 128 | C7H12O2  | 004655-34-9 | 25   |
| 3    |    |   | Cyclopropane, 1,1,2-trimethyl-3-... | 140 | C10H20   | 041977-43-9 | 25   |
| 4    |    |   | 3-Octene, 4-ethyl-                  | 140 | C10H20   | 053966-51-1 | 25   |
| 5    |    |   | Cyclopropane, 1,2-dimethyl-1-pen... | 140 | C10H20   | 062238-04-4 | 22   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062725\  
Data File : BF142905.D  
Acq On : 27 Jun 2025 21:07  
Operator : RC/JU  
Sample : Q2418-01  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VAC-TRUCK-4074

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

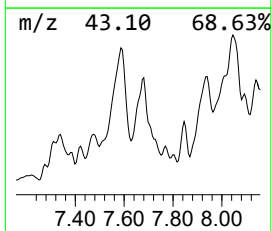
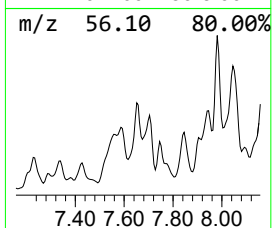
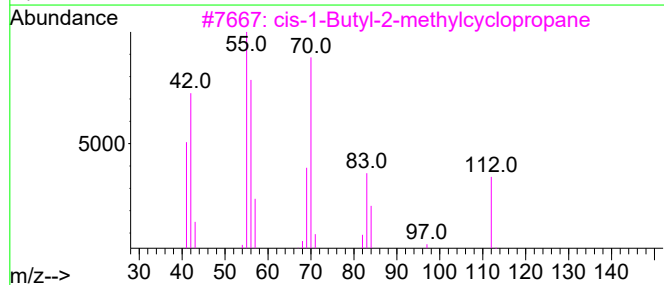
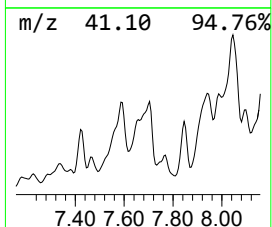
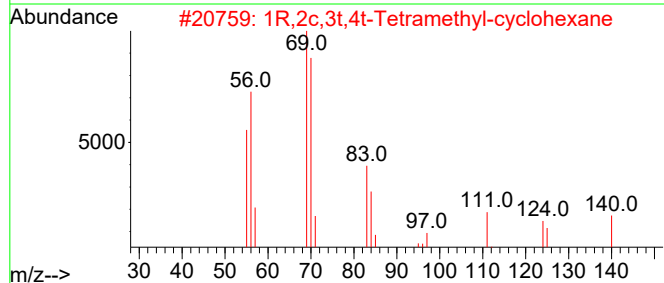
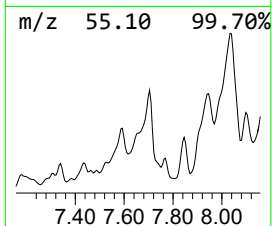
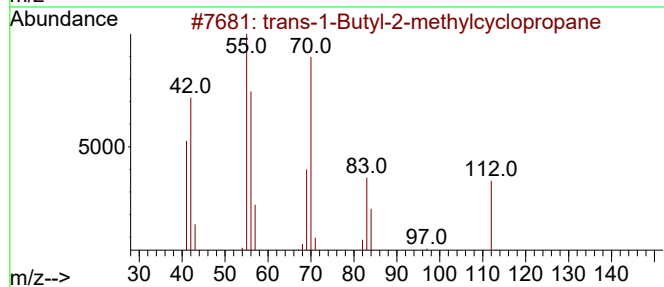
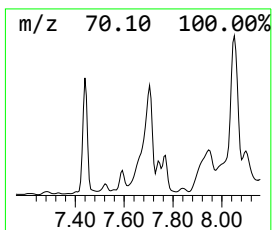
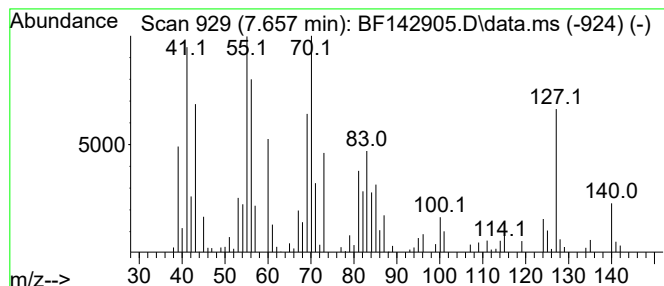
\*\*\*\*\*

Peak Number 6 trans-1-Butyl-2-methylcyclo... Concentration Rank 17

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 7.657 | 3.62 ng | 122819 | Naphthalene-d8   | 8.163 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|------|-------------------------------------|-----|---------|--------------|------|
| 1    |      | trans-1-Butyl-2-methylcyclopropane  | 112 | C8H16   | 038851-70-6  | 60   |
| 2    |      | 1R,2c,3t,4t-Tetramethyl-cyclohexane | 140 | C10H20  | 1000144-07-3 | 58   |
| 3    |      | cis-1-Butyl-2-methylcyclopropane    | 112 | C8H16   | 038851-69-3  | 53   |
| 4    |      | Octane, 2-chloro-                   | 148 | C8H17Cl | 000628-61-5  | 49   |
| 5    |      | Cyclododecane                       | 168 | C12H24  | 000294-62-2  | 43   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062725\  
Data File : BF142905.D  
Acq On : 27 Jun 2025 21:07  
Operator : RC/JU  
Sample : Q2418-01  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VAC-TRUCK-4074

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

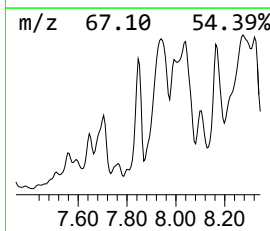
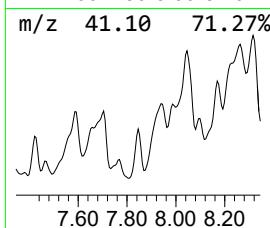
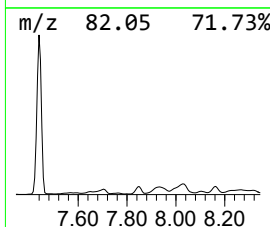
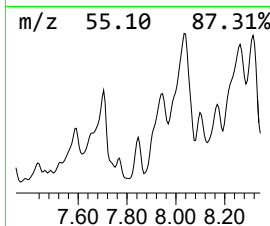
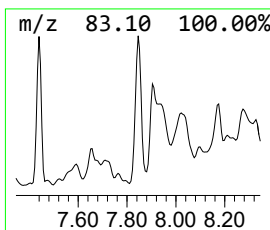
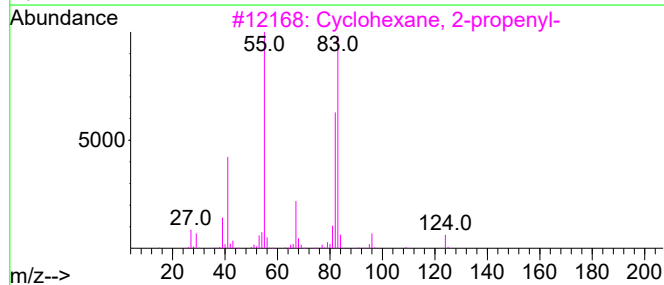
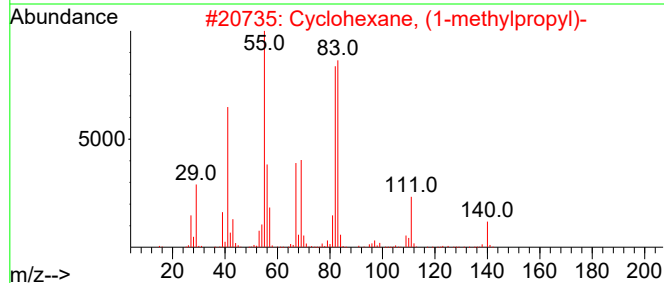
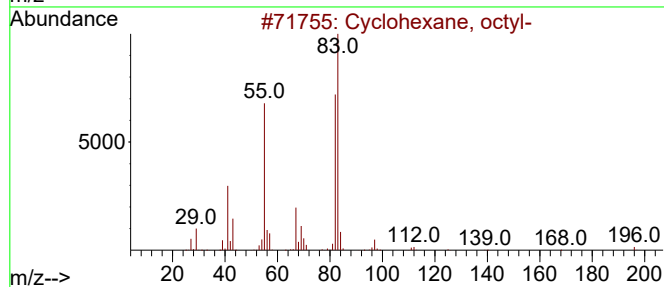
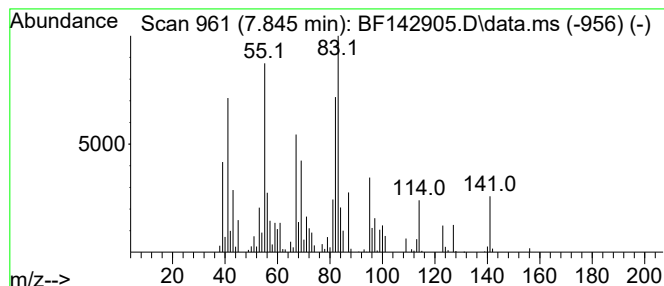
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 7 unknown7.845 Concentration Rank 13

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 7.845 | 7.13 ng | 242153 | Naphthalene-d8   | 8.163 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm  | CAS#        | Qual |
|------|----|---|--------------------------------|-----|----------|-------------|------|
| 1    |    |   | Cyclohexane, octyl-            | 196 | C14H28   | 001795-15-9 | 38   |
| 2    |    |   | Cyclohexane, (1-methylpropyl)- | 140 | C10H20   | 007058-01-7 | 38   |
| 3    |    |   | Cyclohexane, 2-propenyl-       | 124 | C9H16    | 002114-42-3 | 38   |
| 4    |    |   | 1,2,4-Triazol-1-ylacetic acid  | 127 | C4H5N3O2 | 028711-29-7 | 35   |
| 5    |    |   | Cyclohexane, butyl-            | 140 | C10H20   | 001678-93-9 | 35   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062725\  
Data File : BF142905.D  
Acq On : 27 Jun 2025 21:07  
Operator : RC/JU  
Sample : Q2418-01  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VAC-TRUCK-4074

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

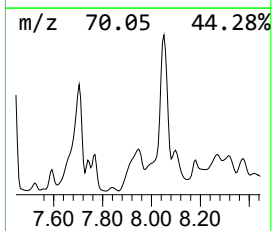
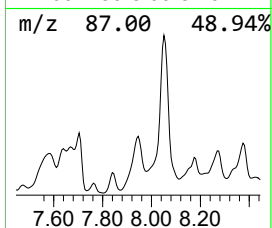
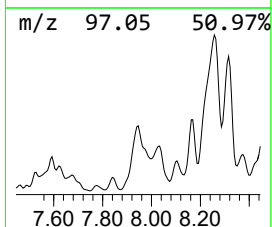
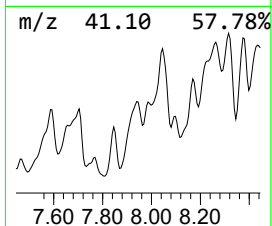
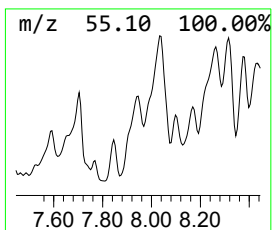
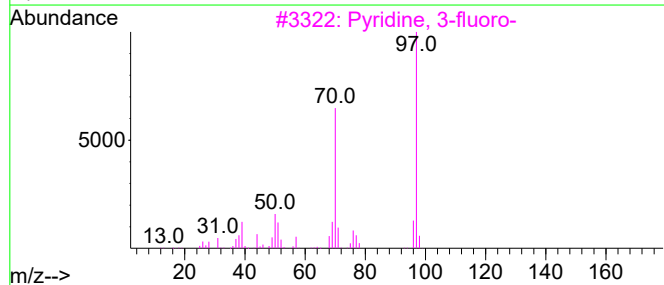
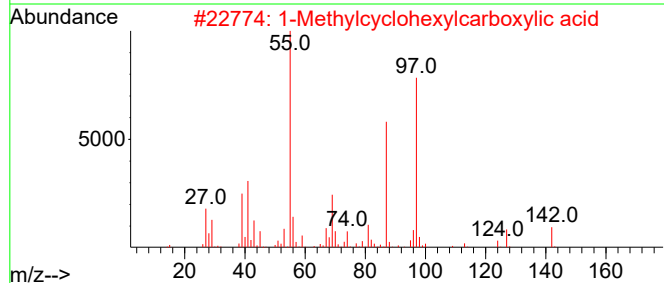
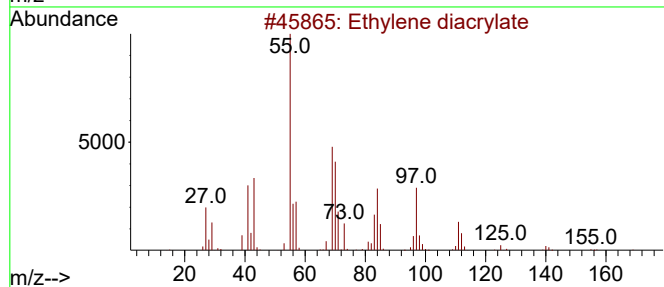
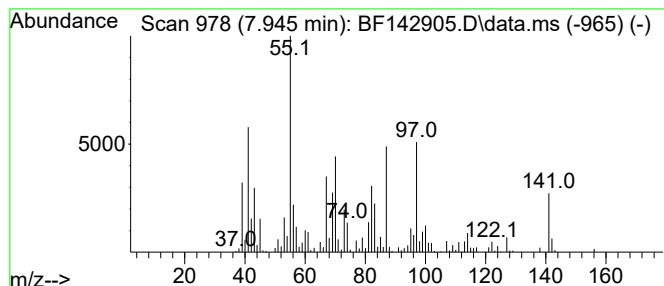
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 unknown7.945 Concentration Rank 4

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 7.945 | 25.10 ng | 851926 | Naphthalene-d8   | 8.163 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Ethylene diacrylate                 | 170 | C8H10O4 | 002274-11-5  | 35   |
| 2    |    |   | 1-Methylcyclohexylcarboxylic acid   | 142 | C8H14O2 | 001123-25-7  | 30   |
| 3    |    |   | Pyridine, 3-fluoro-                 | 97  | C5H4FN  | 000372-47-4  | 25   |
| 4    |    |   | 3-Methyl-1-cyclohexanecarboxylic... | 142 | C8H14O2 | 1000453-56-9 | 25   |
| 5    |    |   | 2-Nonenal, (E)-                     | 140 | C9H16O  | 018829-56-6  | 14   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062725\  
Data File : BF142905.D  
Acq On : 27 Jun 2025 21:07  
Operator : RC/JU  
Sample : Q2418-01  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VAC-TRUCK-4074

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

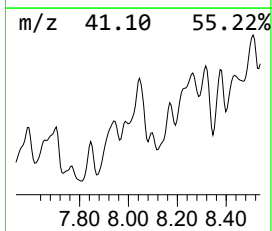
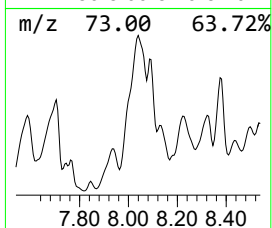
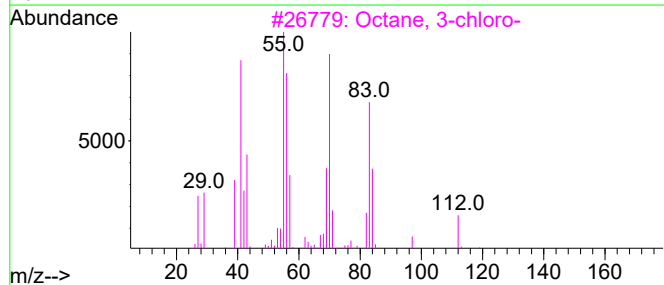
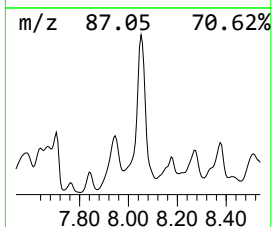
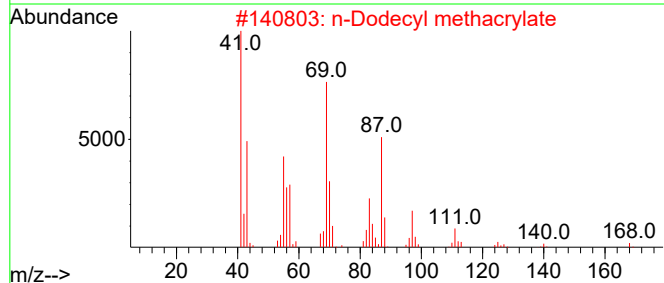
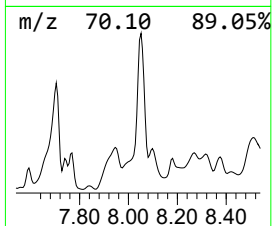
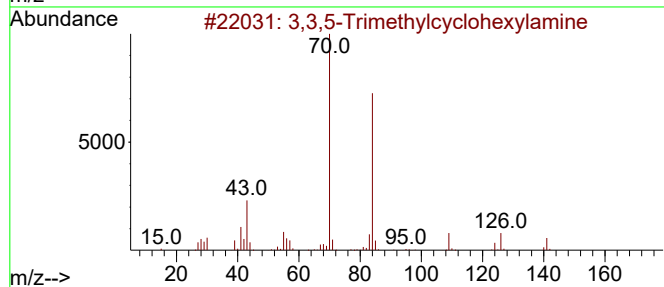
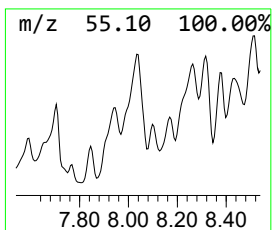
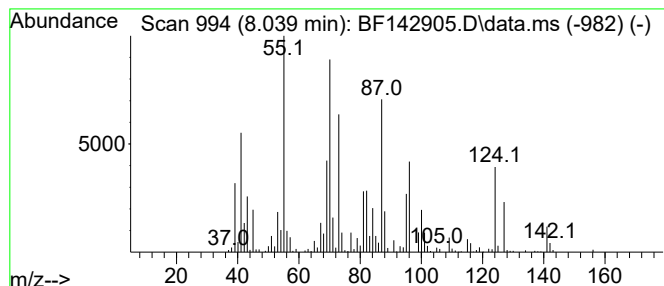
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 unknown8.039 Concentration Rank 2

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 8.039 | 33.63 ng | 1141300 | Naphthalene-d8   | 8.163 |

| Hit# | of 5                                | Tentative ID | MW       | MolForm      | CAS# | Qual |
|------|-------------------------------------|--------------|----------|--------------|------|------|
| 1    | 3,3,5-Trimethylcyclohexylamine      | 141          | C9H19N   | 015901-42-5  | 22   |      |
| 2    | n-Dodecyl methacrylate              | 254          | C16H30O2 | 000142-90-5  | 22   |      |
| 3    | Octane, 3-chloro-                   | 148          | C8H17Cl  | 001117-79-9  | 14   |      |
| 4    | Oxazolidine, 2,2-dimethyl-          | 101          | C5H11NO  | 020515-62-2  | 14   |      |
| 5    | Octane, 3,4-epoxy-2,2,7,7-tetram... | 184          | C12H24O  | 1000163-73-3 | 12   |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062725\  
Data File : BF142905.D  
Acq On : 27 Jun 2025 21:07  
Operator : RC/JU  
Sample : Q2418-01  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VAC-TRUCK-4074

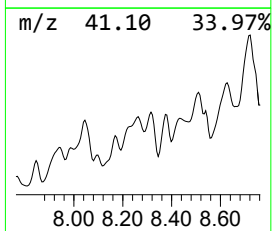
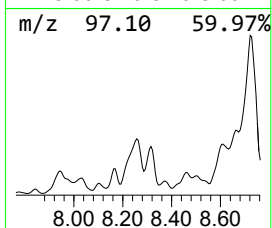
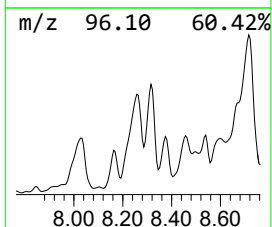
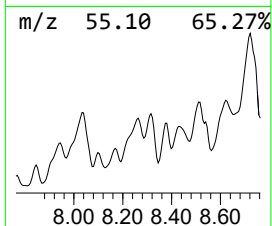
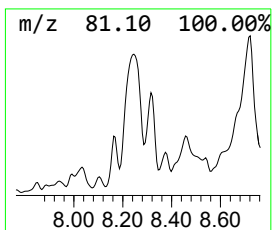
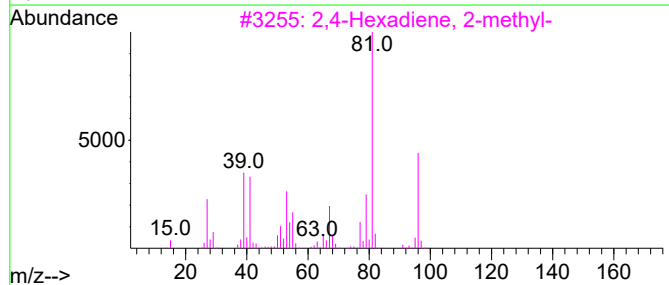
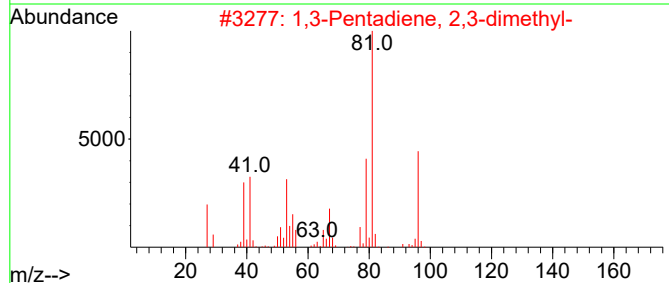
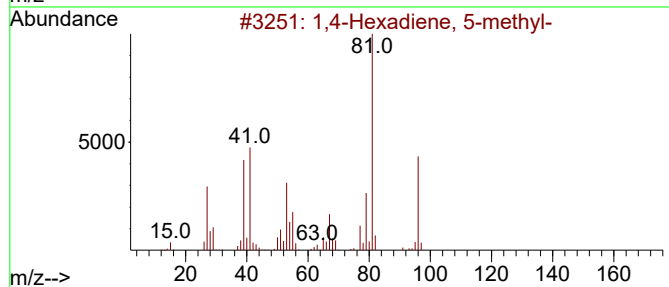
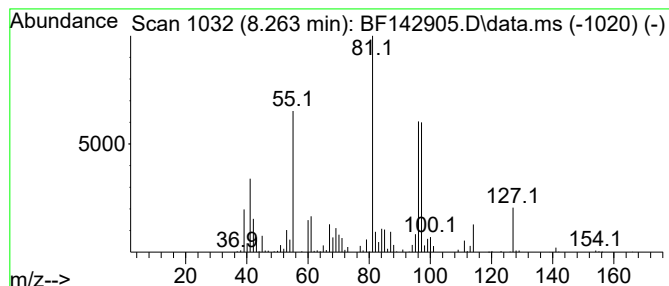
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 unknown8.263 Concentration Rank 3

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 8.263 | 28.54 ng | 968548 | Naphthalene-d8   | 8.163 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|------|-------------------------------------|-----|------------|--------------|------|
| 1    |      | 1,4-Hexadiene, 5-methyl-            | 96  | C7H12      | 000763-88-2  | 38   |
| 2    |      | 1,3-Pentadiene, 2,3-dimethyl-       | 96  | C7H12      | 001113-56-0  | 38   |
| 3    |      | 2,4-Hexadiene, 2-methyl-            | 96  | C7H12      | 028823-41-8  | 38   |
| 4    |      | Carbonic acid, 2-chloroethyl cyc... | 220 | C10H17ClO3 | 1000357-88-3 | 38   |
| 5    |      | Acetic acid, trans-4-methylcyclo... | 156 | C9H16O2    | 1000368-24-6 | 38   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062725\  
Data File : BF142905.D  
Acq On : 27 Jun 2025 21:07  
Operator : RC/JU  
Sample : Q2418-01  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VAC-TRUCK-4074

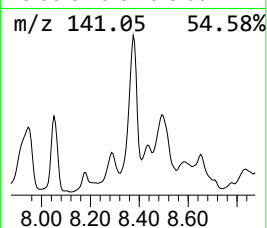
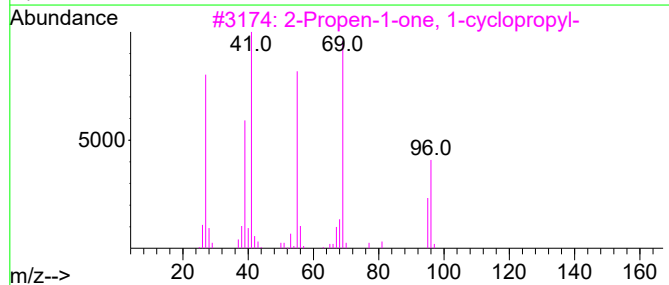
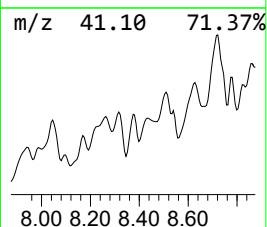
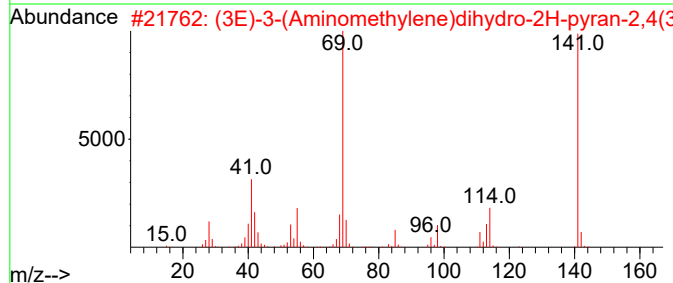
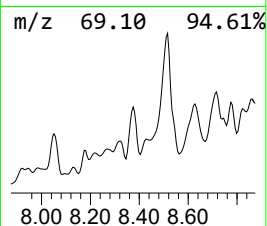
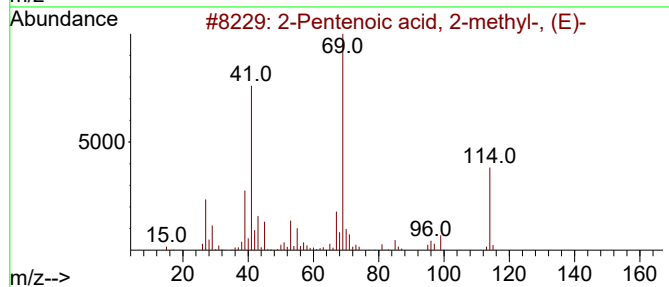
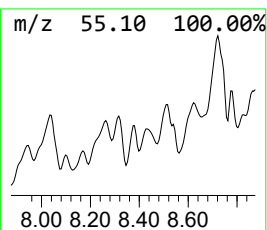
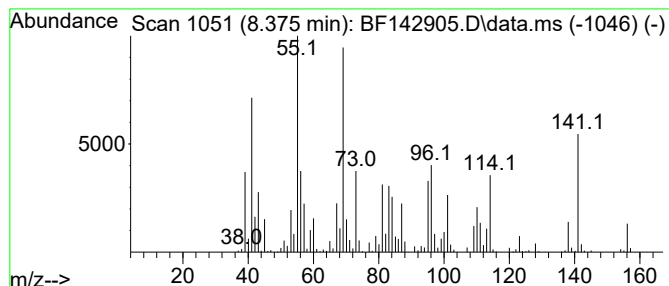
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 11 unknown8.375 Concentration Rank 8

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 8.375 | 16.15 ng | 548244 | Naphthalene-d8   | 8.163 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | 2-Pentenoic acid, 2-methyl-, (E)-   | 114 | C6H10O2 | 016957-70-3  | 38   |
| 2    |    |   | (3E)-3-(Aminomethylene)dihydro-2... | 141 | C6H7NO3 | 022108-77-6  | 35   |
| 3    |    |   | 2-Propen-1-one, 1-cyclopropyl-      | 96  | C6H8O   | 059819-62-4  | 35   |
| 4    |    |   | 1,2-Dimethylcyclopropanecarboxyl... | 114 | C6H10O2 | 1000191-14-6 | 30   |
| 5    |    |   | 2-Pentene, 3-methyl-, (E)-          | 84  | C6H12   | 000616-12-6  | 25   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062725\  
Data File : BF142905.D  
Acq On : 27 Jun 2025 21:07  
Operator : RC/JU  
Sample : Q2418-01  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VAC-TRUCK-4074

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

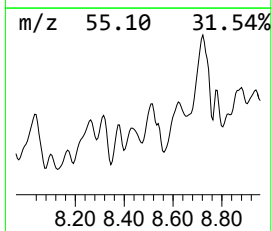
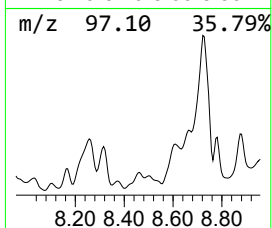
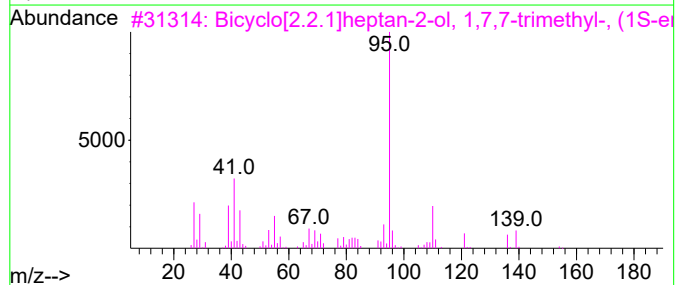
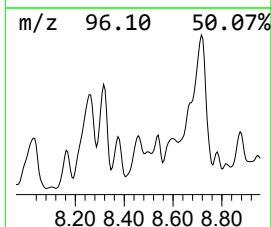
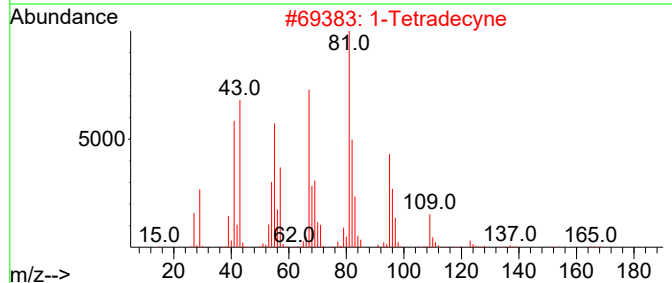
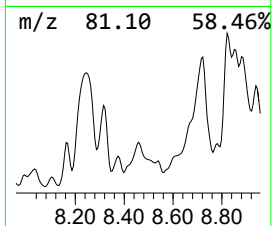
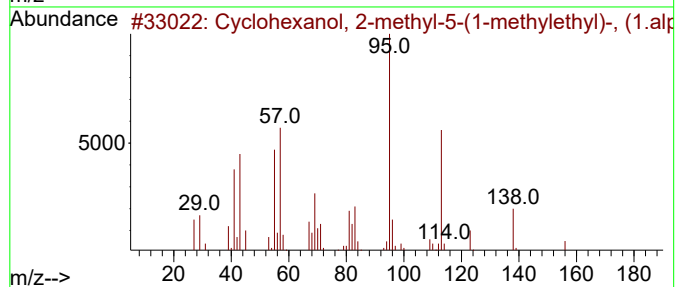
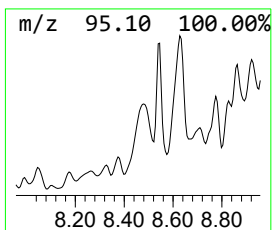
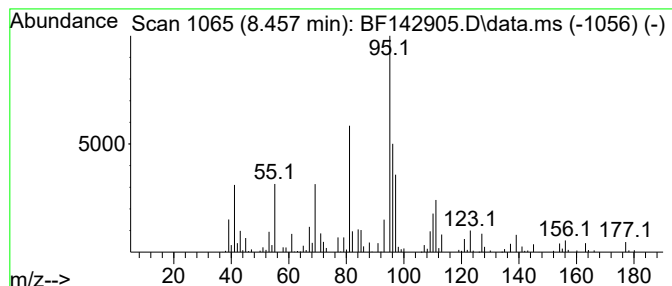
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 12 unknown8.457 Concentration Rank 9

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 8.457 | 14.52 ng | 492804 | Naphthalene-d8   | 8.163 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------------------|-----|---------|-------------|------|
| 1    |      | Cyclohexanol, 2-methyl-5-(1-meth... | 156 | C10H20O | 003127-80-8 | 47   |
| 2    |      | 1-Tetradecyne                       | 194 | C14H26  | 000765-10-6 | 42   |
| 3    |      | Bicyclo[2.2.1]heptan-2-ol, 1,7,7... | 154 | C10H18O | 000464-45-9 | 38   |
| 4    |      | endo-Borneol                        | 154 | C10H18O | 000507-70-0 | 38   |
| 5    |      | Cyclopentene, 1,2,3-trimethyl-      | 110 | C8H14   | 000473-91-6 | 35   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062725\  
Data File : BF142905.D  
Acq On : 27 Jun 2025 21:07  
Operator : RC/JU  
Sample : Q2418-01  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VAC-TRUCK-4074

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

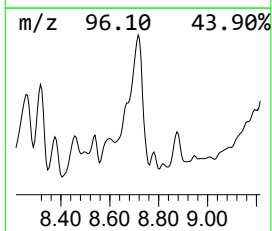
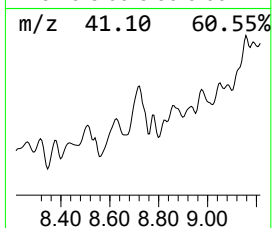
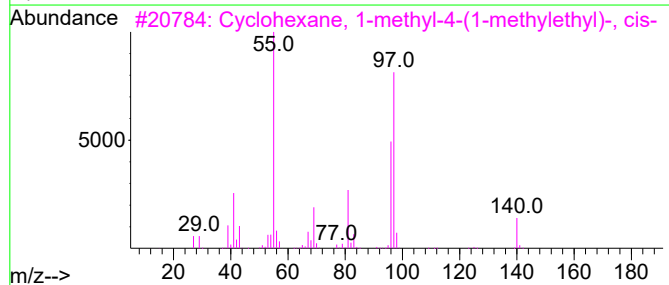
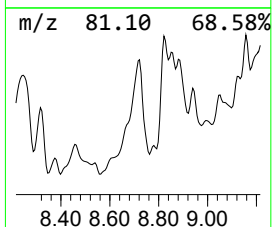
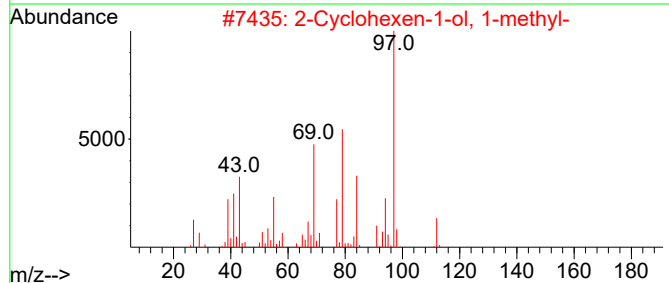
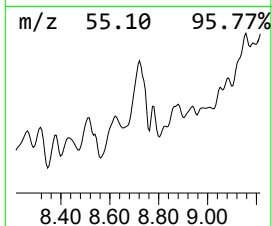
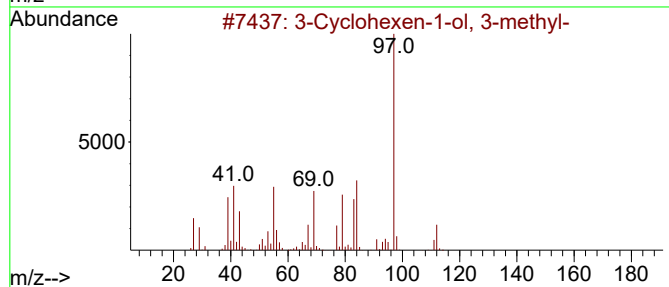
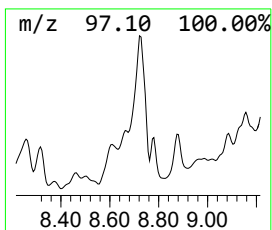
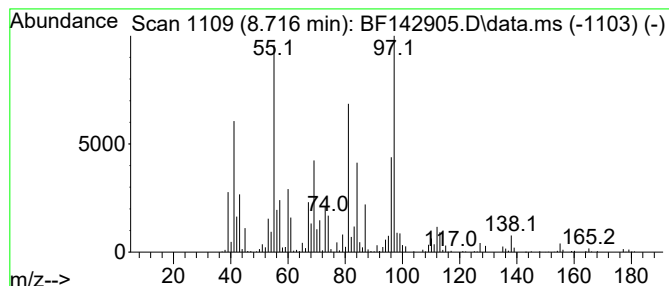
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 13 unknown8.716 Concentration Rank 1

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 8.716 | 41.09 ng | 1394560 | Naphthalene-d8   | 8.163 |

| Hit# | of 5                                | Tentative ID | MW     | MolForm     | CAS# | Qual |
|------|-------------------------------------|--------------|--------|-------------|------|------|
| 1    | 3-Cyclohexen-1-ol, 3-methyl-        | 112          | C7H12O | 053783-91-8 | 43   |      |
| 2    | 2-Cyclohexen-1-ol, 1-methyl-        | 112          | C7H12O | 023758-27-2 | 43   |      |
| 3    | Cyclohexane, 1-methyl-4-(1-methy... | 140          | C10H20 | 006069-98-3 | 35   |      |
| 4    | Cyclohexane, 1-methyl-4-(1-methy... | 140          | C10H20 | 001678-82-6 | 35   |      |
| 5    | Cyclohexane, 1-ethyl-4-methyl-, ... | 126          | C9H18  | 006236-88-0 | 35   |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062725\  
Data File : BF142905.D  
Acq On : 27 Jun 2025 21:07  
Operator : RC/JU  
Sample : Q2418-01  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VAC-TRUCK-4074

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

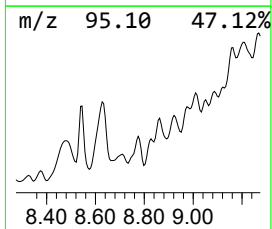
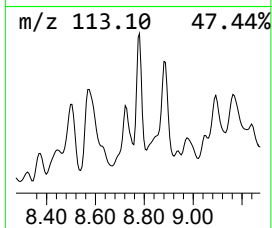
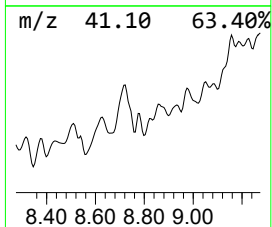
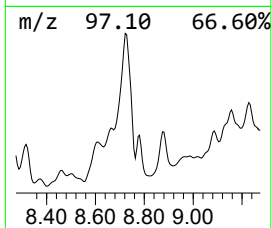
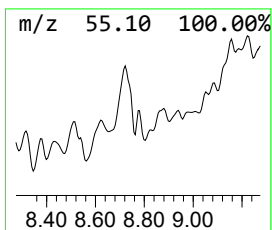
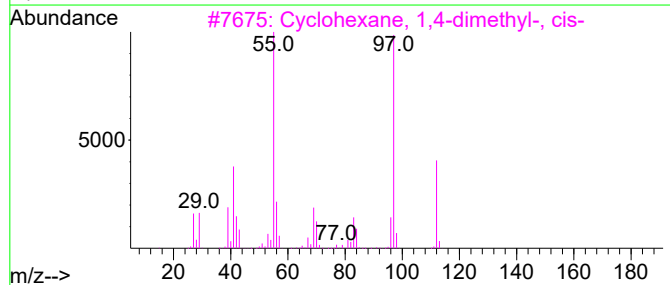
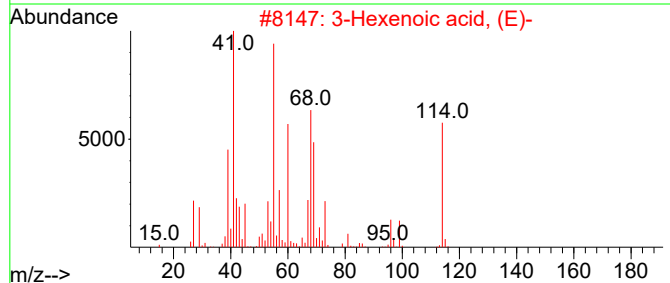
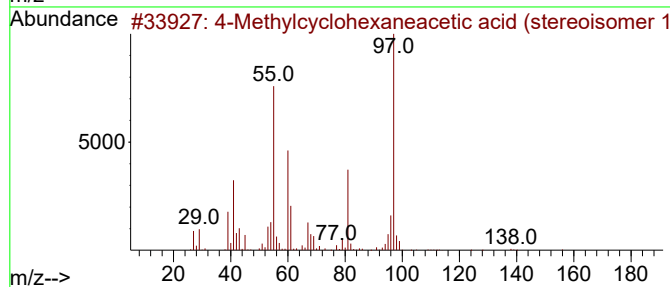
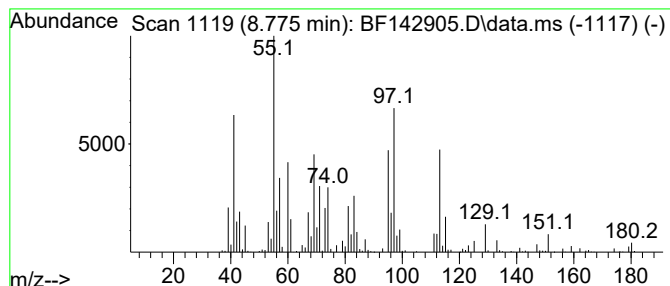
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 14 unknown8.775 Concentration Rank 12

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 8.775 | 7.69 ng | 260880 | Naphthalene-d8   | 8.163 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm | CAS#         | Qual |
|------|----|---|--------------------------------------|-----|---------|--------------|------|
| 1    |    |   | 4-Methylcyclohexaneacetic acid (...) | 156 | C9H16O2 | 1000453-59-3 | 30   |
| 2    |    |   | 3-Hexenoic acid, (E)-                | 114 | C6H10O2 | 001577-18-0  | 20   |
| 3    |    |   | Cyclohexane, 1,4-dimethyl-, cis-     | 112 | C8H16   | 000624-29-3  | 14   |
| 4    |    |   | Cyclohexane, 1,4-dimethyl-, trans-   | 112 | C8H16   | 002207-04-7  | 11   |
| 5    |    |   | Cycloheptane, methyl-                | 112 | C8H16   | 004126-78-7  | 11   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062725\  
Data File : BF142905.D  
Acq On : 27 Jun 2025 21:07  
Operator : RC/JU  
Sample : Q2418-01  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VAC-TRUCK-4074

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

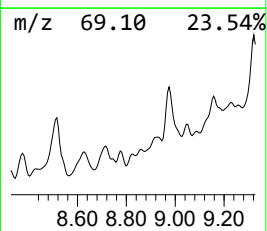
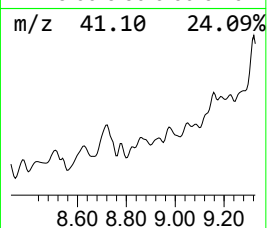
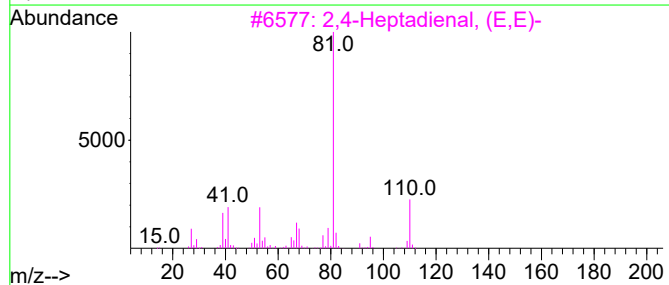
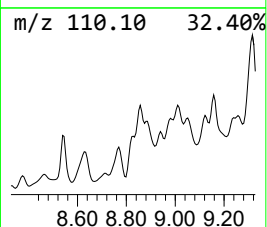
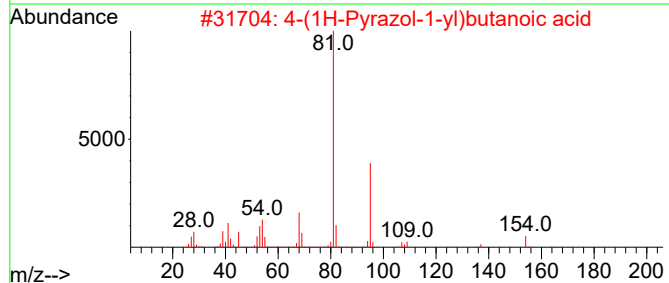
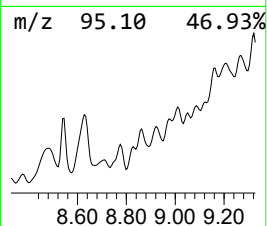
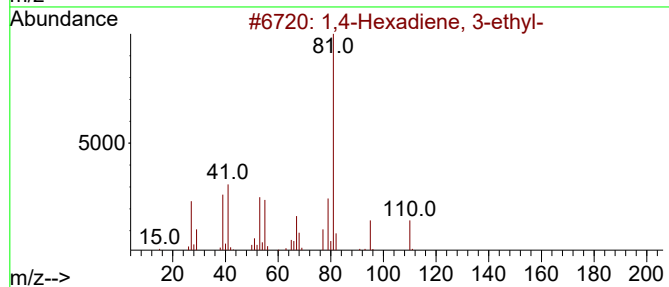
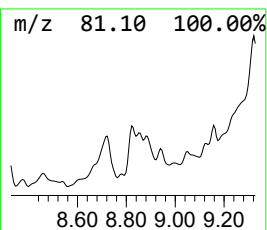
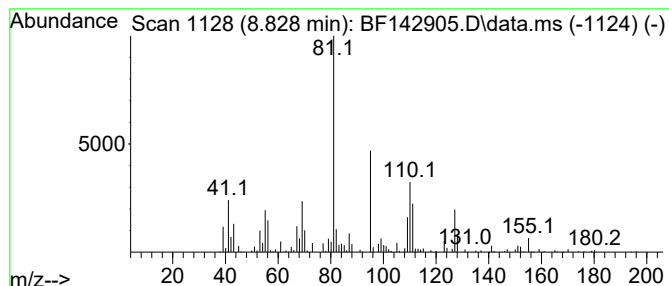
\*\*\*\*\*

Peak Number 15 unknown8.828 Concentration Rank 11

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 8.828 | 9.02 ng | 306063 | Naphthalene-d8   | 8.163 |

| Hit# | of 5 | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|------|----------------------------------|-----|-----------|--------------|------|
| 1    |      | 1,4-Hexadiene, 3-ethyl-          | 110 | C8H14     | 002080-89-9  | 47   |
| 2    |      | 4-(1H-Pyrazol-1-yl)butanoic acid | 154 | C7H10N2O2 | 1010468-88-1 | 47   |
| 3    |      | 2,4-Heptadienal, (E,E)-          | 110 | C7H10O    | 004313-03-5  | 43   |
| 4    |      | Cyclohexane, ethylidene-         | 110 | C8H14     | 001003-64-1  | 43   |
| 5    |      | 1-Ethyl-5-methylcyclopentene     | 110 | C8H14     | 097797-57-4  | 42   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062725\  
Data File : BF142905.D  
Acq On : 27 Jun 2025 21:07  
Operator : RC/JU  
Sample : Q2418-01  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

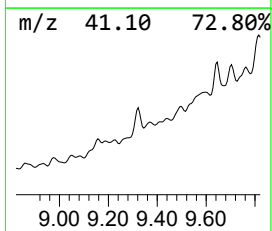
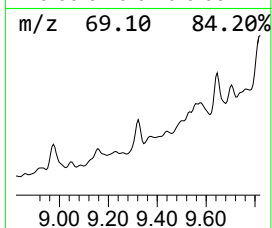
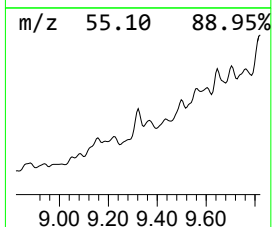
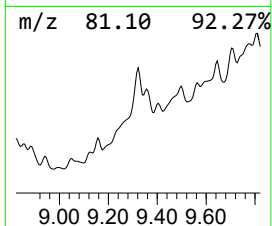
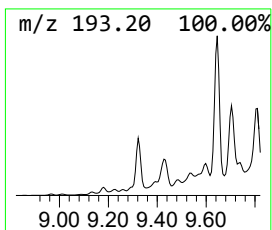
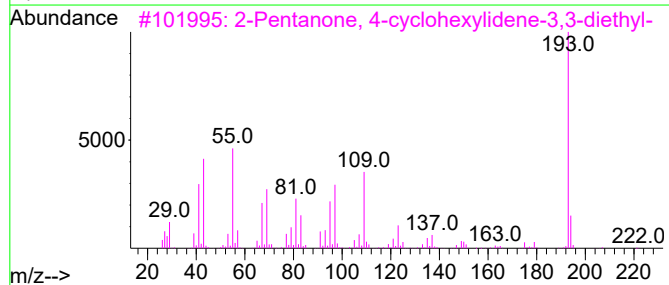
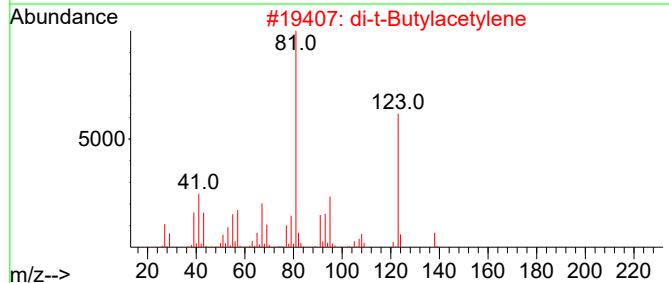
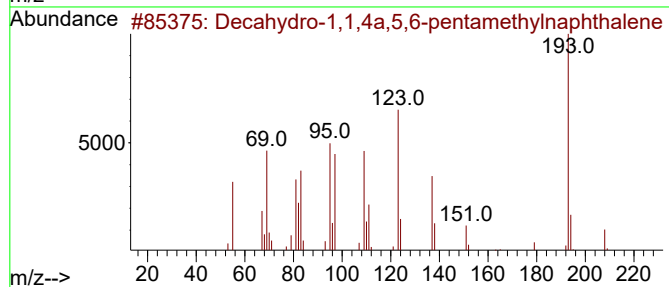
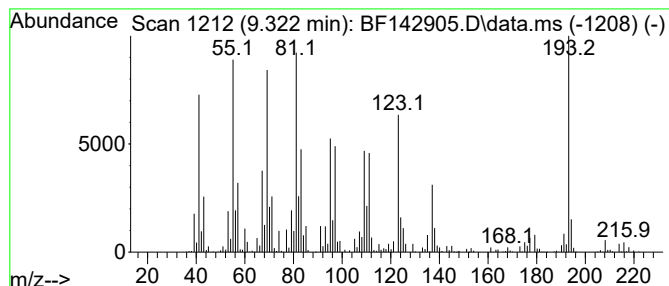
Instrument :  
BNA\_F  
ClientSampleId :  
VAC-TRUCK-4074

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 16 Decahydro-1,1,4a,5,6-pentam... Concentration Rank 5

| R.T.      | EstConc                             | Area    | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|---------|------------------|-------------|------|
| 9.322     | 20.00 ng                            | 1609820 | Acenaphthene-d10 | 9.951       |      |
| Hit# of 5 | Tentative ID                        | MW      | MolForm          | CAS#        | Qual |
| 1         | Decahydro-1,1,4a,5,6-pentamethyl... | 208     | C15H28           | 080655-44-3 | 53   |
| 2         | di-t-Butylacetylene                 | 138     | C10H18           | 017530-24-4 | 35   |
| 3         | 2-Pentanone, 4-cyclohexylidene-3... | 222     | C15H26O          | 313253-65-5 | 30   |
| 4         | 1,7-Dimethyl-4-(1-methylethyl)cy... | 210     | C15H30           | 000645-10-3 | 25   |
| 5         | Cyclopropanemethanol, .alpha.,2-... | 182     | C12H22O          | 121959-70-4 | 25   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062725\  
Data File : BF142905.D  
Acq On : 27 Jun 2025 21:07  
Operator : RC/JU  
Sample : Q2418-01  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VAC-TRUCK-4074

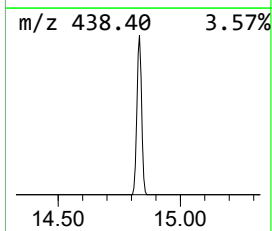
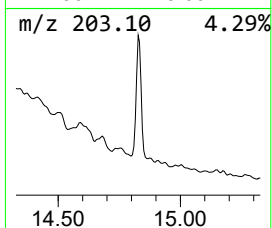
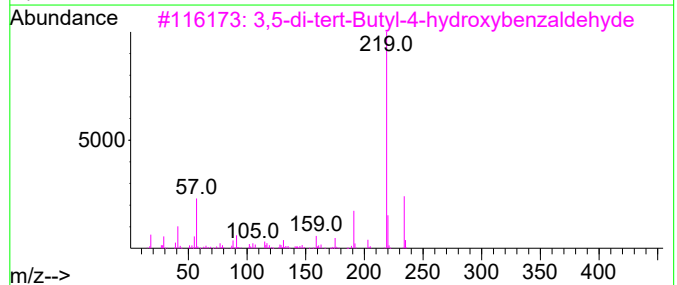
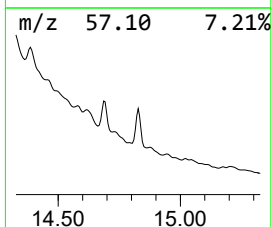
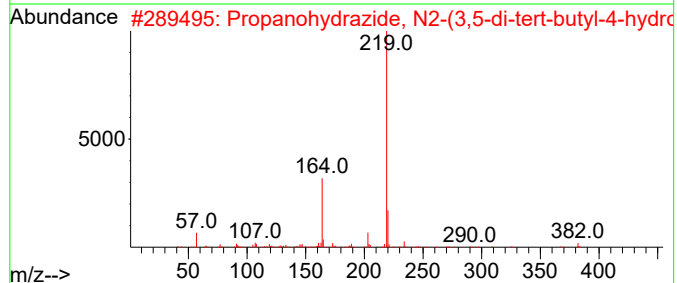
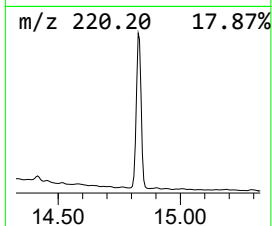
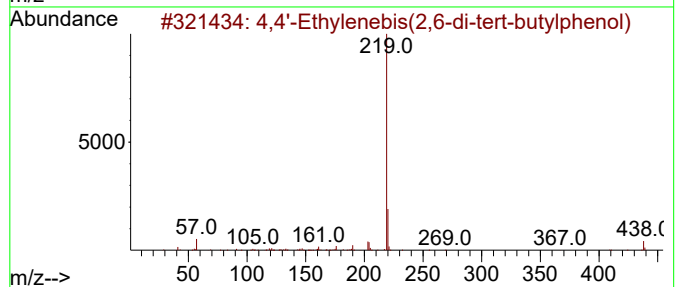
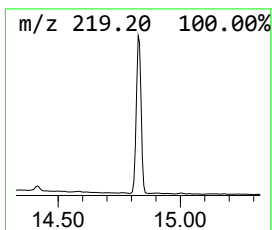
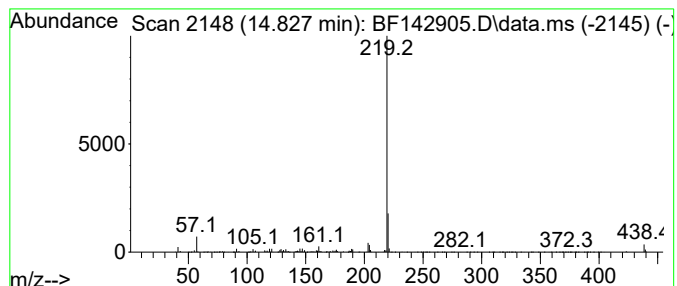
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 17 4,4'-Ethylenebis(2,6-di-ter... Concentration Rank 6

| R.T.      | EstConc                             | Area    | Relative to ISTD |            | R.T.         |      |
|-----------|-------------------------------------|---------|------------------|------------|--------------|------|
| 14.827    | 20.00 ng                            | 1417340 | Chrysene-d12     |            | 14.115       |      |
| Hit# of 5 | Tentative ID                        |         | MW               | MolForm    | CAS#         | Qual |
| 1         | 4,4'-Ethylenebis(2,6-di-tert-but... |         | 438              | C30H46O2   | 001516-94-5  | 93   |
| 2         | Propanohydrazide, N2-(3,5-di-ter... |         | 382              | C24H34N2O2 | 304870-86-8  | 72   |
| 3         | 3,5-di-tert-Butyl-4-hydroxybenza... |         | 234              | C15H22O2   | 001620-98-0  | 72   |
| 4         | 1-Naphthalenamine, N-phenyl-        |         | 219              | C16H13N    | 000090-30-2  | 72   |
| 5         | 5,8-Methano-1H-[1,2,4]triazolo[1... |         | 395              | C25H21N3O2 | 1000142-91-6 | 56   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062725\  
Data File : BF142905.D  
Acq On : 27 Jun 2025 21:07  
Operator : RC/JU  
Sample : Q2418-01  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VAC-TRUCK-4074

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| 2-Pentanone, 4-... | 5.081  | 5.8     | ng    | 143988   | 1                     | 6.875  | 496096  | 20.0 |
| trans-3,4-Dimet... | 5.922  | 5.9     | ng    | 147294   | 1                     | 6.875  | 496096  | 20.0 |
| unknown6.751       | 6.751  | 10.6    | ng    | 262846   | 1                     | 6.875  | 496096  | 20.0 |
| Cyclohexanone, ... | 7.081  | 3.9     | ng    | 97271    | 1                     | 6.875  | 496096  | 20.0 |
| unknown7.592       | 7.592  | 18.9    | ng    | 640536   | 2                     | 8.163  | 678831  | 20.0 |
| trans-1-Butyl-2... | 7.657  | 3.6     | ng    | 122819   | 2                     | 8.163  | 678831  | 20.0 |
| unknown7.845       | 7.845  | 7.1     | ng    | 242153   | 2                     | 8.163  | 678831  | 20.0 |
| unknown7.945       | 7.945  | 25.1    | ng    | 851926   | 2                     | 8.163  | 678831  | 20.0 |
| unknown8.039       | 8.039  | 33.6    | ng    | 1141300  | 2                     | 8.163  | 678831  | 20.0 |
| unknown8.263       | 8.263  | 28.5    | ng    | 968548   | 2                     | 8.163  | 678831  | 20.0 |
| unknown8.375       | 8.375  | 16.1    | ng    | 548244   | 2                     | 8.163  | 678831  | 20.0 |
| unknown8.457       | 8.457  | 14.5    | ng    | 492804   | 2                     | 8.163  | 678831  | 20.0 |
| unknown8.716       | 8.716  | 41.1    | ng    | 1394560  | 2                     | 8.163  | 678831  | 20.0 |
| unknown8.775       | 8.775  | 7.7     | ng    | 260880   | 2                     | 8.163  | 678831  | 20.0 |
| unknown8.828       | 8.828  | 9.0     | ng    | 306063   | 2                     | 8.163  | 678831  | 20.0 |
| Decahydro-1,1,4... | 9.322  | 20.0    | ng    | 1609820  | 3                     | 9.951  | 1609820 | 20.0 |
| 4,4'-Ethylenebi... | 14.827 | 20.0    | ng    | 1417340  | 5                     | 14.115 | 1417340 | 20.0 |